



Prepared by Annette Island MOU Work Group

Coordinated Comprehensive Cleanup (C3) Plan Annette Island, Alaska March 1999

Introduction:

The Annette Islands Indian Reserve is located in southeast Alaska approximately 20 miles south of Ketchikan. This has been the home of Metlakatla Indian Community (MIC) since 1887. It is the only Indian Reserve in Alaska; the land belongs to the Department of Interior with oversight by the Bureau of Indian Affairs (BIA).

MIC and U.S. Environmental Protection Agency (EPA) have many concerns regarding the environmental impacts as a result of past government activities at the reserve. These activities began in 1940 with the lease of 10,000 acres to the Department of War. The activities included building a World War II (WWII) airfield/defense base for 7,000 troops and establishing a minor U.S. Navy (USN) base, a major U.S. Coast Guard (USCG) base, a U.S. Air Force (USAF) ballistic missile early warning system complex, and a U.S. Army (USA) radar/communication system.

Federal Aviation Administration (FAA), formerly Civil Aeronautics Administration (CAA), U.S. Forest Service, and National Weather Service (NWS), formerly Weather Bureau, helped build and provide support for the WWII facility. After USA left in 1949, FAA assumed 5,000 acres of lease property and ownership of most of the facilities. FAA operated the Annette Island Airport until the new Ketchikan International Airport displaced it in 1973. USCG continued to use the airport until they relocated to Sitka in 1977.

The government stored a combined total of one million gallons of fuel at several sites on Annette Island. Today, extensive soil contamination is around some of these fuel storage sites. In addition, lead, asbestos, and oils containing polychlorinated biphenyls (PCBs) have been found at building sites formerly leased by the government. Abandoned government vehicles, airplane parts, drums, and other wastes are also located at over a dozen sites formerly leased by the government.

To address the impacts of past government activities on the Metlakatla Peninsula (see Figure 1), U.S. Army Corps of Engineers (COE), BIA, USCG, and FAA completed an environmental review in August 1997 (Reference 12). COE was involved under the Formerly Utilized Defense Sites (FUDS) program, which has primary responsibility for cleaning up abandoned military sites formerly used by USA, USN, and USAF.

After completing the environmental review, COE, BIA, and FAA signed a memorandum of understanding (MOU) with MIC to cooperatively address environmental issues associated with past government activity at some 93 sites on the Metlakatla Peninsula.

This Coordinated Comprehensive Cleanup (C3) Plan was developed by the MOU Work Group members to outline the work needed at these former government sites.

Purpose:

This C3 Plan is intended to help COE, BIA, FAA, and USCG work effectively while maximizing the efficiency of government cleanup efforts on the Metlakatla Peninsula. Specifically, the plan is intended to:

- Identify all sites with potential COE, BIA, FAA, and USCG liabilities.
- Identify the needed cleanup work at each site and associated costs.
- Identify a time schedule to cost-effectively coordinate cleanup work.

Implementation Benefits:

To date, four federal agencies (COE, BIA, FAA, and USCG) have spent approximately \$5 million investigating and cleaning up contamination on the peninsula. The plan outlines an additional \$62 million which may be needed over the next ten years to address existing potential government liabilities. By coordinating cleanup actions, an estimated \$5 million can be saved. Specifically, the benefits of working together include:

- Complimentary development of risk screening criteria and National Environmental Policy Act (NEPA) documentation.
- Reduced mobilization and demobilization costs.
- Efficient use of local resources, including labor.

Restriction and Liability Issues:

Some cleanup issues (e.g., asbestos or lead-based paint abatement, stream restoration, roadway removal, or contamination caused by other parties) are not being addressed in this C3 Plan due to certain limitations placed on federal cleanup funds. As cleanup issues are clarified at the 60-year-old lease site, some work may be removed from the plan because it is not seen as a potential government liability issue, while other sites may be added. The listing of a cleanup site in this plan does not commit any government agency to any cleanup work, nor does it infer any liability or responsibility in causing contamination.

MIC has developed a Master Plan for cleanup and restoration of the Metlakatla Peninsula (Reference 18). The plan addresses land use, areas of contamination, and future development on the peninsula. Implementation of this plan could cost an additional \$40 million beyond the work listed in this C3 Plan.

Coordinated Comprehensive Cleanup (C3) Plan

Annette Island, Alaska

Site Maps

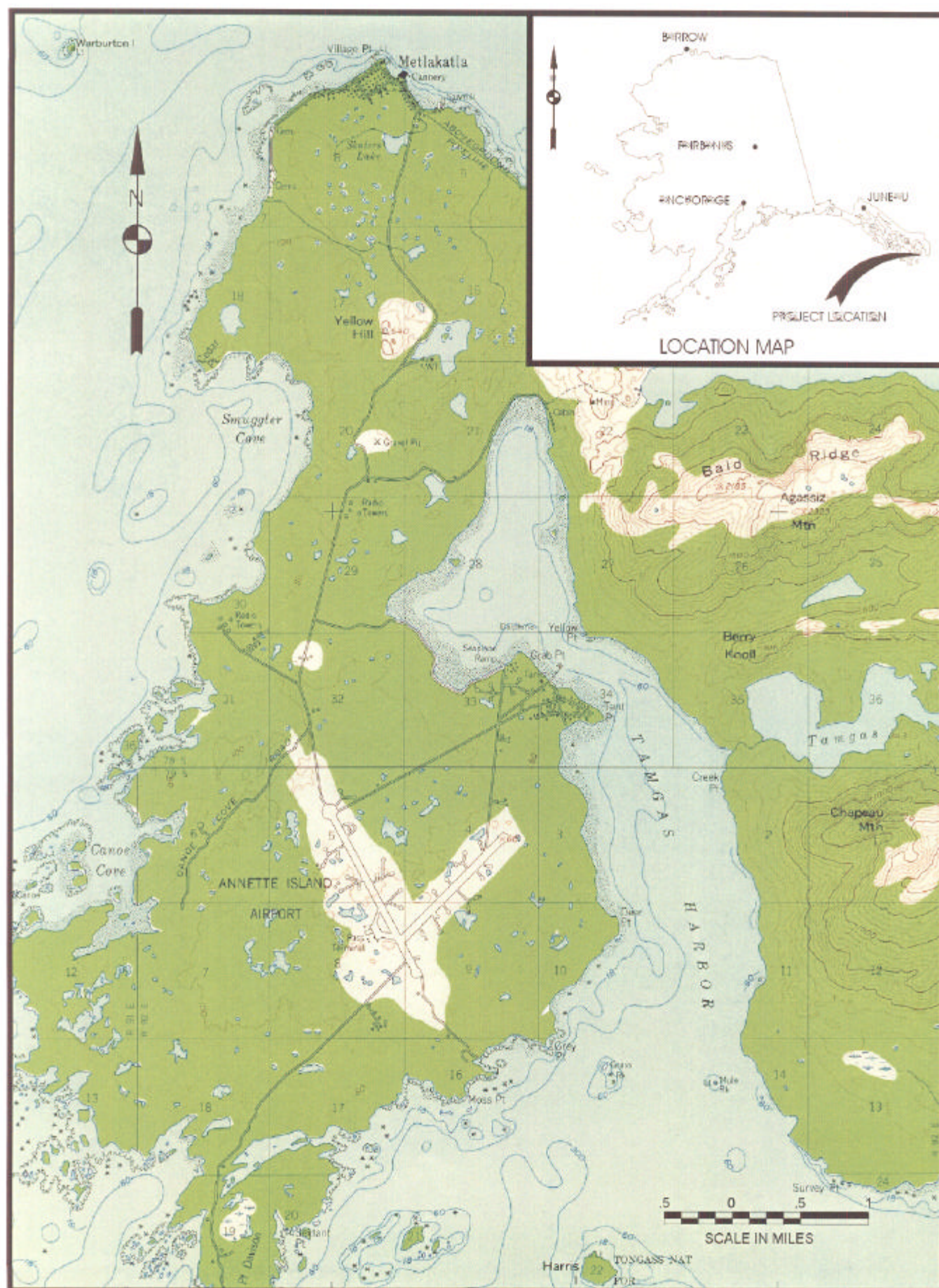
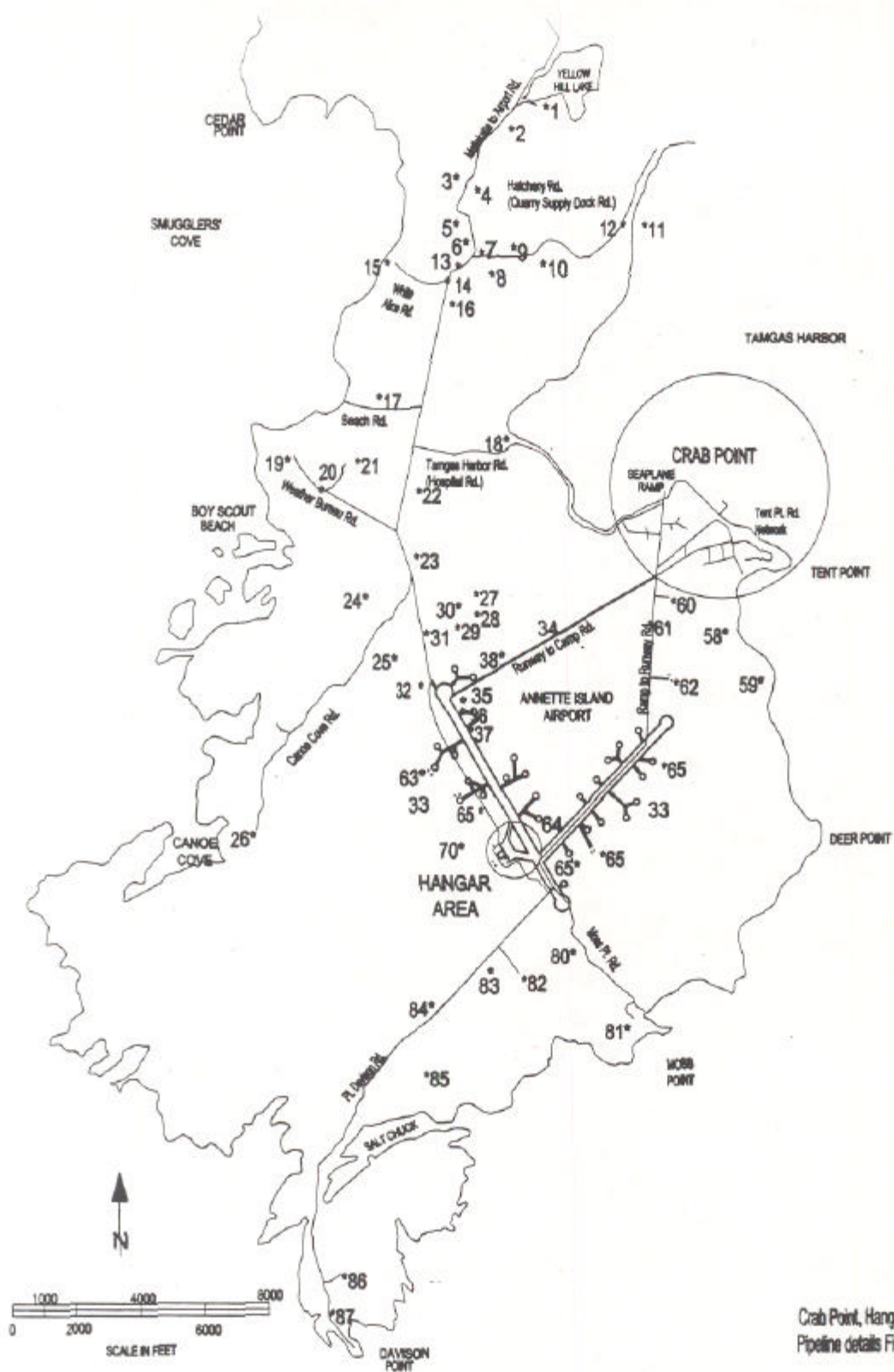


Figure 1. Location and Vicinity map.

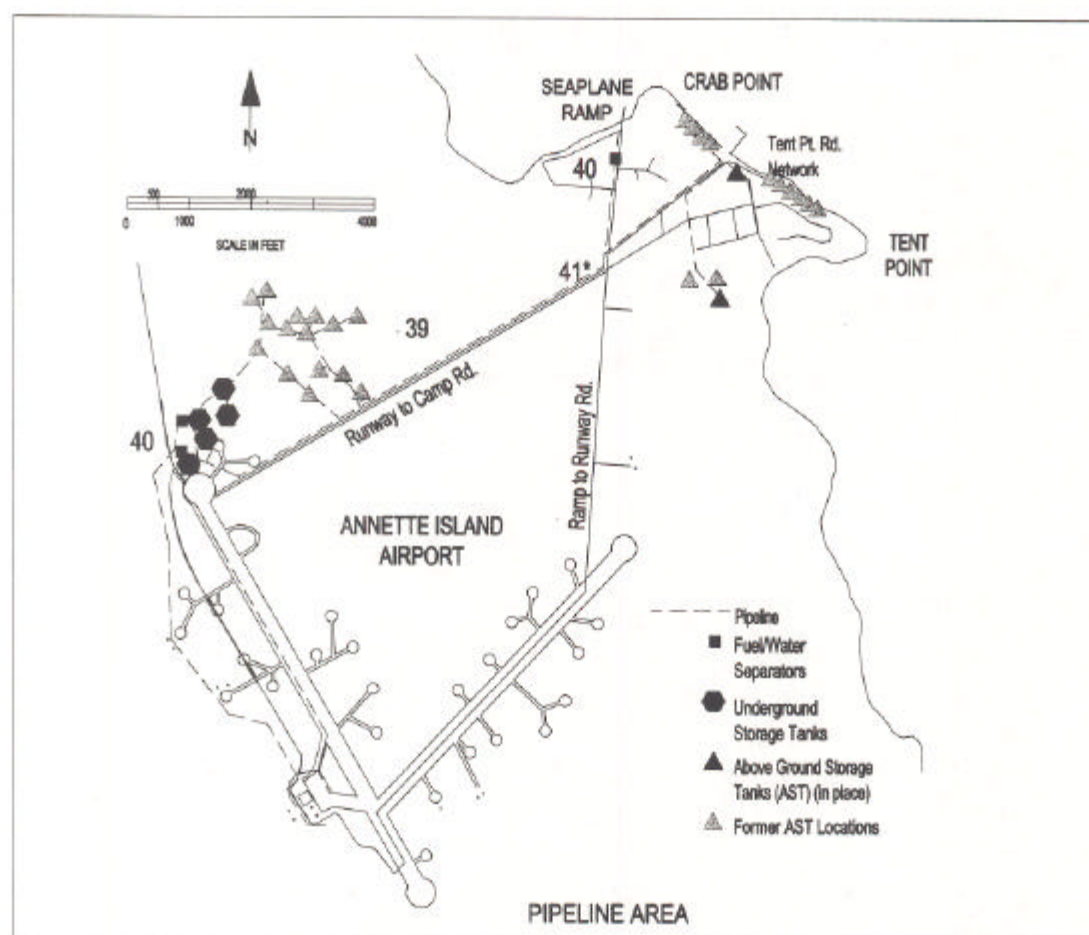
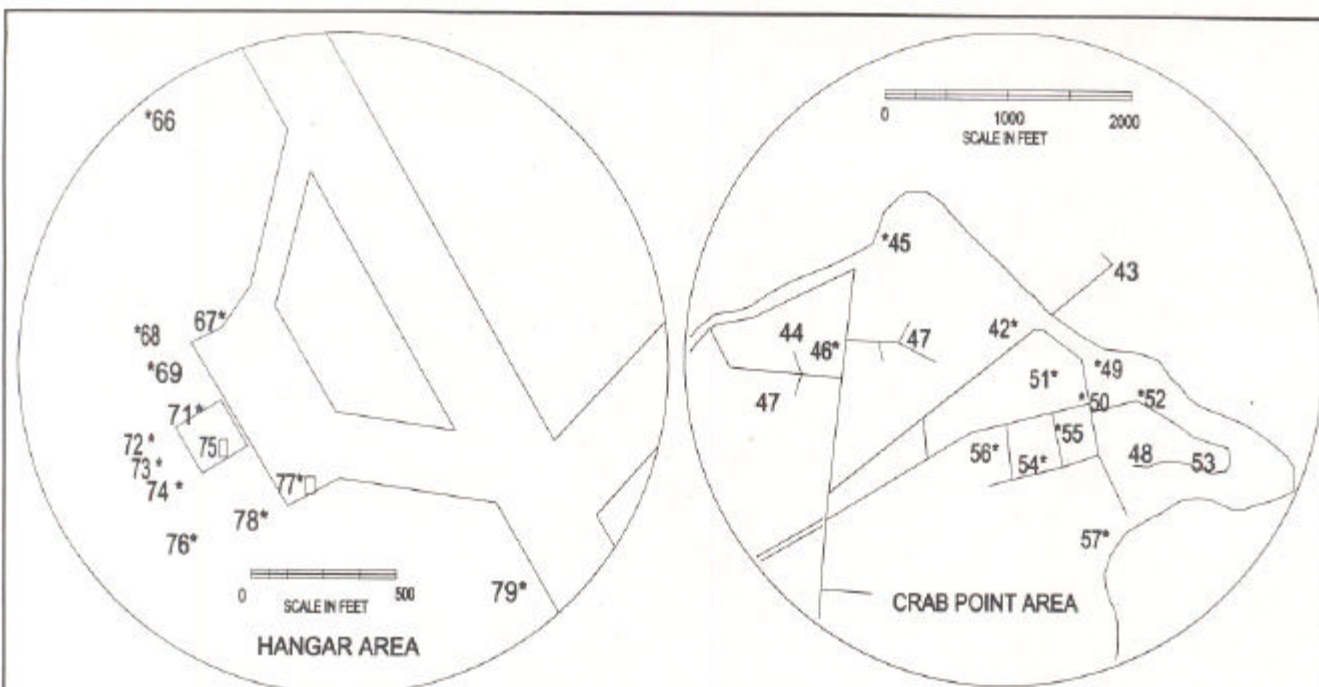


Crab Point, Hangar and Pipeline details Figure 3.

METLAKATLA PENINSULA

Figure 2

Major Site Structures and Features



METLAKATLA PENINSULA

Figure 3
Major Site Structures
and Features

Coordinated Comprehensive Cleanup (C3) Plan

Annette Island, Alaska

Site Table (sorted by Agency)

Coordinated Comprehensive Cleanup (C3) Plan
Annette Island, Alaska
Site Table (sorted by Site Number)

Site Number		Site Name	Site History	Proposed Work	Other Issues	Planning Schedule										Estimated Cost at Completion
						FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	
* MIC Master Plan site number. Alpha designators have been added to detail specific work at a site by Agency.																
1		Water Treatment Plant	DOD-constructed in 1941 to supply fresh water to the Garrison areas	Mercury from switches and potential POL contamination from small fuel tank next to generator building, debris from fall structures	Access road repair and bridge repair	X	X	X								\$250,000
2		Engineer Garrison (Yellow Hill)	Housing for base engineers	Sewer issues; investigate and remediate potential POL and solvents	SHPO issues; project eligibility unresolved								X			\$50,000
3		6-inch Guns and Garrison	Two 6-inch guns were installed for coastal defense; included housing for gun crews	Investigate and remove potential POL associated with heating oil tanks, debris	SHPO issues; building demolition eligibility						X					\$15,000
4		Quarry	Rock quarry for island-wide construction	No environmental remediation required	Potential staging area for remedial construction											
5		Municipal Landfill	Started in the 1940s and used only by the government until the mid-1960s; currently used by MIC	Close landfill with funding from responsible parties; landfill is a wetland and not permitted	A new land fill/waste management system needed to be funded			X	X	X	X	X	X	X	X	\$5,000,000
6		Shell Storage Bunker (2)	Wood foundation and debris	No environmental remediation required												
7		BIA Road Maintenance Center		Lead-based paint, PCBs, drums, contaminated soils, ASTs							X					\$550,000
8		Bark Disposal Fill Area		Salvage bark and compost, metal debris, slope stabilization, close and cap area	Other potential participating party				X							\$2,800,000
9		Power Generation Plant	Originally a USA power generation plant	Transformers, drums, contaminated soils, ASTs						X						\$2,160,000
10		Automobile Landfill	Used for storage/disposal of metal materials, drums, vehicles, etc.	Remove materials; recycle metal materials	North corner of site shows signs of soil contamination			X	X	X						\$750,000
11		Supply Dock	Remains of original supply dock to federal facilities	No environmental remediation required	Community wants dock replaced											
12		North Tamgas Harbor Tank Farm		Clean and refurbish tanks; spill containment for emergency response				X								\$200,000
13		Abandoned Landfill		Batteries, paints, fuels, metal debris; closure			X	X								\$870,000
14		Chlorination Building	Built by FAA; contains lead-based paint	Remove building or lead-based paint	Asbestos on water pipeline not addressed in this work					X	X					\$15,000
15A		White Alice Station (MPL)	Constructed in 1956 as a DEW line communication link	UST still connected to active system; investigate and remediate releases from UST; remove debris	Project eligibility unresolved				X	X	X					\$2,000,000
16		Antenna Towers	Built by FAA; contains lead-based paint	Remove towers or associated lead-based paint				X								\$50,000

Coordinated Comprehensive Cleanup (C3) Plan
Annette Island, Alaska
Site Table (sorted by Site Number)

Site Number *		Site Name	Site History	Proposed Work	Other Issues	Planning Schedule										Estimated Cost at Completion
						FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	
* MIC Master Plan site number. Alpha designators have been added to detail specific work at a site by Agency.																
17		Beach Access Road		No environmental remediation required	Community wants road improvements											
18		Main Hospital Area	Quonset hut construction; 75 bed hospital	Investigate and remove potential POL, solvents, and insecticides	Site access; building demolition eligibility	X	X	X	X	X	X					\$3,000,000
19		Non-Directional Beacon (NDB)	Site currently leased and in use	Lead in soil from burned building; remove downed towers				X	X							\$100,000
20		Weather Bureau Housing	Active housing for NWS consisting of seven wood frame buildings	Active AST with potentially POL-contaminated soil	NWS is working on this site					X						\$500,000
21		Remote Communications Air-Ground (RCAG) Facility	Site currently leased but not in use	Remove building; remove fuel contaminated soil; foundation to remain	Underground fuel tank removed during 1998	X	X									\$150,000
22		AACS Station	Used by FAA	Remove asbestos, lead, and collapsed building; foundation to remain	Tower also on site; to be removed		X	X								\$100,000
23		ACS Transmitter	ACS run in cooperation with FAA	Potential fuel and PCB spills; remove collapsed building; foundation to remain	Additional soil testing needed					X	X					\$80,000
24		Middle Marker Facility	Built by FAA; contains lead-based paint, asbestos, and electrical equipment	Remove collapsed building and tar drums near stream	Nearby transformer casing tested clean for PCBs; to be removed	X	X	X								\$35,000
25		Approach Lighting System	Consists of 29 towers built and used by FAA	Remove towers or associated lead-based paint			X	X								\$500,000
26		Canoe Cove Garrison	Housing for base personnel; largely Quonset hut and local wood-frame construction	Remove fuel tanks	SHPO issues; building demolition eligibility				X	X	X					\$250,000
27		VORTAC Facility	Site currently leased and in use	Remove lead-based paint chips from soil	Lead from painted counterpoise				X	X	X					\$750,000
28		Water Tanks	Built and abandoned in place on current lease site (VORTAC)	Remove platforms, wire rings, and other debris from site											X	\$15,000
29		Directional Finder Antenna	Site currently leased and in use	Antenna may be painted with lead-based paint	May require stripping and repainting										X	\$5,000
30		Satellite Station (AN/CS)	Site currently leased and in use	No known problems	New facility mid-1990s											
31		Underground Fuse Magazines	Storage magazines for torpedo fuses	Remove fall hazards	SHPO issues						X					\$50,000
32		SALSR	Built and used by FAA	Remove lead-based painted building	PCBs removed 1996		X									\$5,000

Coordinated Comprehensive Cleanup (C3) Plan
Annette Island, Alaska
Site Table (sorted by Site Number)

Site Number		Site Name	Site History	Proposed Work	Other Issues	Planning Schedule										Estimated Cost at Completion
						FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	
* MHC Master Plan site number. Alpha designators have been added to detail specific work at a site by Agency.																
33A		Landing Field	Owned and operated by FAA	Remove drums from revetments and investigate soils potentially contaminated with herbicides							X	X	X			\$500,000
33B		Former USCG Storage Area	Leased from FAA by USCG	Remove drums, fuel-contaminated soil from Revetments H-38, H-39, H-40		X	X	X								\$75,000
33C		Landing Field--Firing Ranges near Runway B	Landing field consisted of two gravel runways constructed by DODI small arms firing range was established in one of the aircraft parking revetments	Investigate and remove lead, if necessary	Potentially used after military		X	X	X							\$100,000
34		Runway to Camp Road (Plank Road)	Built and abandoned in place	Remove roadway and drums									X	X	X	\$5,000,000
35		Small Tower	Used for airport operation	Remove lead-based painted tower				X								\$5,000
36		Glide Slope Facility	Built and used by FAA	Remove remains of the lead-based painted building	PCB-containing equipment removed 1996/97	X	X									\$15,000
37		Sand Shed/Asphalt Plant	Facility operated for 30 years by FAA	Remove drums, metal bands, burned building, and lead in soil; investigate tar pit (potentially remove tar pit)	"Black Water" contamination testing needed; sample for antifreeze in sand shed soil location	X	X	X	X							\$3,000,000
38		DOD Sawmill	Provided lumber for local construction in support of base operations	Remove debris; investigate potential contamination relating to sawmill operations							X					\$50,000
39A		Fuel Pipeline System	Supplied the operational reserve and tactical fueling system; delivered fuel from the fuel dock to the storage tanks and to runway fueling pits	Remove fuel in pipeline and potential soil contamination	Potential Standard Oil responsibility	X	X	X	X	X	X					\$5,000,000
39B		Fuel Pipeline System	See Site 43A	Tamgas Harbor Dock fuel pipelines	See Site 43A											
40		Pipeline Oil/Water Separators	Used by USN and USCG during WWII	Drain fuel line; cleanup contaminated soil	This work should be included with cleanup of entire six miles of pipeline			X	X	X						\$80,000
41		Tanker Truck Loading Facility-Tank Farm	Leased to Standard Oil by FAA for over 25 years	Remove/remediate fuel-contaminated soil	Standard Oil (now Chevron) could be a participating party	X	X	X								\$100,000
42		FAA Tank Farm	Operated by Standard Oil under a lease from FAA	Remove/remediate fuel-contaminated soils; confirm whether spills have impacted Tamgas Harbor wildlife	Standard Oil (now Chevron) could be a participating party	X	X	X	X	X	X	X	X	X		\$5,000,000
43A		South Tamgas Harbor Dock-- Dock and Pipeline	Owned and operated by FAA and used by Standard Oil for over 25 years	Remove fuel and pipeline		X	X	X								\$100,000

Coordinated Comprehensive Cleanup (C3) Plan
Annette Island, Alaska
Site Table (sorted by Site Number)

Site Number		Site Name	Site History	Proposed Work	Other Issues	Planning Schedule								Estimated Cost at Completion	
						FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06		FY07
* MIC Master Plan site number. Alpha designations have been added to detail specific work at a site by Agency.															
43B		USCG Housing—South Tamgas Harbor Dock Ordnance Dive	Ordnance may have been dumped in Tamgas Harbor at the end of the war	Investigate possible ordnance contaminants and dumped debris				X							\$50,000
44		USCG Housing	Owned and operated by USCG; property leased from FAA/MIC	Remove fuel lines, fuel tanks, and associated contaminated soil	Building foundation and collapsed buildings				X	X	X				\$150,000
45A		USCG Seaplane Base	Owned and operated by USCG; property leased from FAA/MIC	Remove lead-based paint materials, debris, and hazards								X	X	X	\$25,000
45B		USCG Seaplane Base—Ramp Ordnance Dive	Ordnance may have been dumped in Tamgas Harbor at the end of WWII	Investigate possible ordnance contaminants and dumped debris				X							\$50,000
46		USCG Fire Station/Post Exchange	Operated by USCG; property leased from FAA	Remove lead, asbestos, fuel lines, fuel tanks, and associated contaminated soil					X						\$95,000
47A		USCG Taxiways and Parking Circles	Owned and operated by USCG; property leased from FAA/MIC	Remove transformer, drums, and fuel contaminated soil	Used as storage area for fuels removed from planes		X	X	X						\$25,000
47B		USCG Taxiways and Parking Circle—Ordnance Survey	WWII aircraft parking area used by USCG for aircraft refueling	Remove powder canisters; reportedly moved to this site when empty			X	X							\$15,000
48		Main Construction Camp	Owned and operated by FAA for over 25 years	Remove fuel tanks, contaminated soil (lead, fuel, and PCBs), solvents, septic tanks, asbestos, lead-based paint, collapsed buildings, etc.; foundation to remain	Standard Oil, USCG, and others lease property at this site from FAA	X	X	X	X	X	X				\$2,900,000
49		Gasoline Station	Operated by Standard Oil and later by FAA	Remove/mediate contaminated soil from garage/wash/service area buildings; lead-based paint on buildings	Four buildings used by Standard Oil, FAA, USCG, and USN	X	X	X	X						\$500,000
50		Fire Truck Hut	Operated by Standard Oil and later by FAA	Remove fuel tank, lead-based paint, and fuel contamination; building to remain	Asbestos removal scheduled by DOD	X	X	X	X						\$100,000
51		FAA Storage Yard	Owned and operated by FAA for over 25 years	Remove fuel tanks, lead-based painted buildings which have collapsed, equipment, septic tanks, and fuel-contaminated soil	Many burned buildings in the area	X	X	X	X						\$100,000
52		Waste Water Treatment Pond	Used to aerate sewage generated from the FAA housing area	Repair sewage lagoon to support cleanup activities		X									\$90,000
53A		FAA Housing Area—POL and Tanks	Owned and operated by FAA for over 25 years	Remove underground fuel tanks and associated fuel-contaminated soil		X	X	X	X						\$500,000
53B		FAA Housing Area—Lead and Asbestos	Housing was built during WWII	Remove asbestos and lead-based paint		X	X								\$2,550,000
54		Public School	Originally a state school	Debris; lead-contaminated soils; POL contamination	School was burned to the ground							X			\$320,000

Coordinated Comprehensive Cleanup (C3) Plan
Annette Island, Alaska
Site Table (sorted by Site Number)

Site Number *		Site Name	Site History	Proposed Work	Other Issues	Planning Schedule										Estimated Cost at Completion
						FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	
* MIC Master Plan site number. Alpha designators have been added to detail specific work at a site by Agency																
55		FAA Service Building	Used as FAA garage	Remove fuel, fuel tanks, and contaminated soil		X	X	X	X	X	X	X				\$100,000
56A		PNAWA Residential Building (3-80,000 gallon AST)	Wood stove fuel tanks constructed as part of airfield support	Remediate POL-contaminated soil	SHPO issues; access; potential Standard Oil responsibility	X	X	X	X	X	X					\$1,500,000
56B		PNAWA Residential Building (lead and asbestos)	Apartment was built for airline employees and is currently used for MIC residences	Remove asbestos and lead-based paint			X									\$30,000
57		Administration Building	FAA leased property, NWS-owned Building 307 (also called BC-1)	Possible lead in soil from burned building; remove collapsed building; foundation to remain	Later used by USCG as Muskeg Lounge				X	X						\$15,000
58		DOD Utility Officer Buildings--Quarter Master and Utility Buildings	Shop area providing aircraft and other maintenance	Investigate and remediate potential POL, solvent, and paint contamination	Building demolition eligibility		X	X	X							\$15,000
59		Air Warning Center Garrison	Site of the AWS filter center; included housing to support AWS personnel	Investigate and remove POL associated with power generators and fuel tanks	SHPO issues; building demolition eligibility				X	X	X					\$250,000
60		Receiver Station	Owned by FAA for over 25 years	Remove lead-based painted metal and collapsed building								X	X			\$15,000
61		71st Garrison	Owned by the FAA for over 25 years	Remove drums and other hazardous materials	Could save one Quonset hut which is in great shape					X	X					\$250,000
62		Power House	Owned and operated by FAA for over 25 years	Remove contaminated soil from fuel storage site; foundation to remain	Possible lead-based paint on building				X	X	X	X				\$500,000
63		Remote Receiver Station	Owned and operated by FAA for over 25 years	Remove lead based-paint, asbestos, towers, lead communication cables		X	X	X								\$150,000
64		Runway Taxiways and Parking Circles	Owned and operated by FAA for over 25 years	Remove drums and spills			X	X	X	X						\$150,000
65		Runway Fortifications	Training area adjacent to Runway A	Remove barbed wire; fill trenches	SHPO issues; safety; project eligibility unresolved									X		\$150,000
66		High Intensity Light	Owned and operated by FAA for over 25 years	Remove light fixtures (asbestos wiring, ballasts, bulbs)										X		\$15,000
67		Weather Bureau Station--Hangar	Subleased from FAA for 25 years	Remove buried drums near site								X	X			\$10,000
68		USCG Water Treatment Plant	Owned and operated by USCG; property leased from FAA/MIC	Remove asbestos, PCB oils, and hazards	One abandoned PCB containing transformer in the area			X	X	X						\$60,000
69A		USCG Quarters--POL	Owned and operated by USCG; property leased from FAA/MIC	Remove fuel spillage from former AST					X	X						\$100,000

Coordinated Comprehensive Cleanup (C3) Plan
Annette Island, Alaska
Site Table (sorted by Site Number)

Site Number		Site Name	Site History	Proposed Work	Other Issues	Planning Schedule										Estimated Cost at Completion
						FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	
* MIC Master Plan site number. Alpha designators have been added to detail specific work at a site by Agency.																
69B		USCG Quarters--Structure	Remains of USCG quarters consists of a two-story building	Remove structure and debris, replace structure				X								\$830,000
70		Beacon Tower	Owned and operated by FAA for over 25 years	Remove lead-based paint from beacon tower or demolish tower							X	X				\$15,000
71A		USCG Garage--Asbestos	Owned and operated by USCG; property leased from FAA/MIC	Remove asbestos			X	X								\$50,000
71B		USCG Garage--Other	Former USCG office currently in use for sawmill storage and repair shop	Remove asbestos, barrels, containment for AST						X						\$70,000
72		Hangar Boiler Building	Owned and operated by USCG; property leased from FAA/MIC	Remove asbestos and PCB- and fuel-contaminated soils	Asbestos removal scheduled for 1999 by DOD	X				X	X	X				\$100,000
73		Boiler Building AST	Owned and operated by USCG; property leased from FAA/MIC	Remove PCB- and fuel-contaminated soils and lead-based painted fuel tank	Leaded fuels appear to have been spilled in the area			X	X	X						\$150,000
74		USCG ASTs	Owned and operated by USCG; property leased from FAA/MIC	Remove PCB- and fuel-contaminated soils and lead-based painted fuel tank	Leaded fuels appear to have been spilled in the area				X	X	X					\$50,000
75		Hangar	Owned and operated by USCG; property leased from FAA/MIC	Remove lead-based paint, asbestos, UST tank, and PCB and fuel spills in and around hangar	Ownership of abandoned transformers in the hangar is unclear				X	X	X	X	X			\$4,000,000
76		Trailer (Former MoGas-Gas UST Service Island Location)	Subleased from FAA for 25 years by Standard Oil	Remove three USTs, including one by the hangar; remove contaminated soil	Tanks may belong to Standard Oil	X	X	X								\$300,000
77		PNA/WA Terminal	Single story building with garage	Remove asbestos and lead-based paint, debris; remediate contaminated soils; replace structure	Building was burned to the ground						X					\$430,000
78		Air Traffic Control Tower	Owned and operated by FAA for over 25 years	Remove lead based-paint from tower or demolish tower; remove UST and contaminated soil	Tower may be of historic value				X	X						\$175,000
79		Log Storage Yard		Barrels, debris, contaminated soils								X				\$390,000
80		Localizer	Owned and operated by FAA for over 25 years	Remove lead-based paint and asbestos, collapsed building, and equipment (Building 401)		X	X									\$25,000
81		Moss Point Garrison	Housing for base personnel; largely Quonset hut and local wood-frame construction	Sewer issues; investigate and remediate potential POL and solvents	SHPO issues; project eligibility unresolved		X									\$250,000
82		Winnipeg Garrison (PAA Housing)	Housing for base personnel; largely Quonset hut and local wood-frame construction; remodeled after DOD use by Pan American Airlines	Investigate and remove potential fuel tanks; remediate POL contamination	Project eligibility unresolved			X								\$500,000
83		Annette Inn Auxiliary Area	Former anti-aircraft positions and housing	Remove collapsed structures in creek	Project eligibility unresolved				X							\$200,000

Coordinated Comprehensive Cleanup (C3) Plan
Annette Island, Alaska
Site Table (sorted by Site Number)

Site Number *		Site Name	Site History	Proposed Work	Other Issues	Planning Schedule										Estimated Cost at Completion
						FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	
* MHC Master Plan site number. Alpha designators have been added to detail specific work at a site by Agency.																
84		Tokio Garrison	Housing for base personnel Largely Quonset hut and local wood-frame construction	Investigate and remove POL associated with power generators and fuel tanks	SHPO issues; building demolition eligibility				X	X						- \$250,000
85		Tropospheric Relay Station														
86		Satellite Tracking Station	Constructed in 1961 for the early radar tracking of satellites	Investigate concrete structures; potential for lead-based paint and lead-contaminated soil	SHPO issues						X					\$25,000
87		Point Davison Garrison	Housing for personnel operating the 155mm gun positions	Sewer issues; investiage and remediate potential POL and solvents	Critical SHPO issues; project eligibility unresolved							X				\$500,000
88		Burned Buildings (covered in other features)														
89		Trash Dumps Island Wide	Government materials/trash sites	Remove environmental issues, government trash, electronic equipment	Some WWII plane parts may be historic		X	X	X	X						\$500,000
90A		Fuel Dump Sites (Drums)—Island Wide	Government materials/trash sites	Remove drums; most contained asphalt for the runway		X	X	X	X							\$750,000
90B		Debris/Empty Drums	DOD dumped drums at various sites on the island	Remove drums	Safety issues	X										\$350,000
91		Hotspur Island	Observation post established for early detection and warning	No issues/work identified												Not on Reserve
92		Callaghan Island	Observation post established for early detection and warning	No issues/work identified												Not on Reserve
93		Warburton Island	Observation post established for early detection and warning	No issues/work identified												No work required
		Asbestos Abatement Sites (10% of Total)	Island-wide former federally-owned buildings	Remove asbestos	Eligibility unresolved for DOD programs	X										\$600,000
		Lead-Based Paint Abatement Sites (10% of Total)	Island-wide former federally-owned buildings	Remove lead-based paint	Eligibility unresolved for DOD programs									X	X	\$1,000,000
		TOTAL														\$61,565,000

Coordinated Comprehensive Cleanup (C3) Plan

Annette Island, Alaska

Site Table (sorted by Schedule)

Coordinated Comprehensive Cleanup (C3) Plan
Annette Island, Alaska
Site Table (sorted by Schedule)

Site Number *		Site Name	Site History	Proposed Work	Other Issues	Planning Schedule										Estimated Cost at Completion
						FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	
M/C Master Plan site number. Alpha designators have been added to detail specific work at a site by Agency.																
		Asbestos Abatement Sites (10% of Total)	Island-wide former federally-owned buildings	Remove asbestos	Eligibility unresolved for DOD programs	X										\$600,000
52		Waste Water Treatment Pond	Used to aerate sewage generated from the FAA housing area	Repair sewage lagoon to support cleanup activities		X										\$90,000
90B		Debris/Empty Drums	DOD dumped drums at various sites on the island	Remove drums	Safety issues	X										\$350,000
36		Glide Slope Facility	Built and used by FAA	Remove remains of the lead-based painted building	PCB-containing equipment removed 1996/97	X	X									\$15,000
21		Remote Communications Air- Ground (RCAG) Facility	Site currently leased but not in use	Remove building; remove fuel contaminated soil; foundation to remain	Underground fuel tank removed during 1998	X	X									\$150,000
53B		FAA Housing Area—Lead and Asbestos	Housing was built during WWII	Remove asbestos and lead-based paint		X	X									\$2,550,000
80		Localizer	Owned and operated by FAA for over 25 years	Remove lead-based paint and asbestos, collapsed building, and equipment (Building 401)		X	X									\$25,000
1		Water Treatment Plant	DOD-constructed in 1941 to supply fresh water to the Garrison areas	Mercury from switches and potential POL contamination from small fuel tank next to generator building, debris from fall structures	Access road repair and bridge repair	X	X	X								\$250,000
24		Middle Marker Facility	Built by FAA; contains lead-based paint, asbestos, and electrical equipment	Remove collapsed building and tar drums near stream	Nearby transformer casing tested clean for PCBs; to be removed	X	X	X								\$35,000
33B		Former USCG Storage Area	Leased from FAA by USCG	Remove drums, fuel-contaminated soil from Revetments H-38, H-39, H- 40		X	X	X								\$75,000
41		Tanker Truck Loading Facility- Tank Farm	Leased to Standard Oil by FAA for over 25 years	Remove/remediate fuel- contaminated soil	Standard Oil (now Chevron) could be a participating party	X	X	X								\$100,000
43A		South Tamgas Harbor Dock- Dock and Pipeline	Owned and operated by FAA and used by Standard Oil for over 25 years	Remove fuel and pipeline		X	X	X								\$100,000
63		Remote Receiver Station	Owned and operated by FAA for over 25 years	Remove lead based-paint, asbestos, towers, lead communication cables		X	X	X								\$150,000
76		Trailer (Former MoGas-Gas UST Service Island Location)	Subleased from FAA for 25 years by Standard Oil	Remove three USTs, including one by the hangar; remove contaminated soil	Tanks may belong to Standard Oil	X	X	X								\$300,000
37		Sand Shed/Asphalt Plant	Facility operated for 30 years by FAA	Remove drums, metal bands, burned building, and lead in soil; investigate tar pit (potentially remove tar pit)	"Black Water" contamination testing needed; sample for antifreeze in sand shed soil location	X	X	X	X							\$3,000,000

Coordinated Comprehensive Cleanup (C3) Plan
Annette Island, Alaska
Site Table (sorted by Schedule)

Site Number		Site Name	Site History	Proposed Work	Other Issues	Planning Schedule										Estimated Cost at Completion
						FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	
MIC Master Plan site number. Alpha designations have been added to detail specific work at a site by Agency.																
49		Gasoline Station	Operated by Standard Oil and later by FAA	Remove/mediate contaminated soil from garage/wash/service area buildings; lead-based paint on buildings	Four buildings used by Standard Oil, FAA, USCG, and USN	X	X	X	X							\$500,000
50		Fire Truck Hut	Operated by Standard Oil and later by FAA	Remove fuel tank, lead-based paint, and fuel contamination; building to remain	Asbestos removal scheduled by DOD	X	X	X	X							\$100,000
51		FAA Storage Yard	Owned and operated by FAA for over 25 years	Remove fuel tanks, lead-based painted buildings which have collapsed, equipment, septic tanks, and fuel-contaminated soil	Many burned buildings in the area	X	X	X	X							\$100,000
53A		FAA Housing Area—POL and Tanks	Owned and operated by FAA for over 25 years	Remove underground fuel tanks and associated fuel-contaminated soil		X	X	X	X							\$500,000
90A		Fuel Dump Sites (Drums)—Island Wide	Government materials/trash sites	Remove drums; most contained asphalt for the runway		X	X	X	X							\$750,000
39A		Fuel Pipeline System	Supplied the operational reserve and tactical fueling system; delivered fuel from the fuel dock to the storage tanks and to runway fueling pits	Remove fuel in pipeline and potential soil contamination	Potential Standard Oil responsibility	X	X	X	X	X	X					\$5,000,000
56A		PNA/WA Residential Building (3-80,000 gallon AST)	Wood stove fuel tanks constructed as part of airfield support	Remediate POL-contaminated soil	SHPO issues; access; potential Standard Oil responsibility	X	X	X	X	X	X					\$1,500,000
48		Main Construction Camp	Owned and operated by FAA for over 25 years	Remove fuel tanks, contaminated soil (lead, fuel, and PCBs), solvents, septic tanks, asbestos, lead-based paint, collapsed buildings, etc.; foundation to remain	Standard Oil, USCG, and others lease property at this site from FAA	X	X	X	X	X	X					\$2,900,000
18		Main Hospital Area	Quonset hut construction; 75 bed hospital	Investigate and remove potential POL, solvents, and insecticides	Site access; building demolition eligibility	X	X	X	X	X	X					\$3,000,000
55		FAA Service Building	Used as FAA garage	Remove fuel, fuel tanks, and contaminated soil		X	X	X	X	X	X	X				\$100,000
72		Hangar Boiler Building	Owned and operated by USCG; property leased from FAA/MIC	Remove asbestos and PCB- and fuel contaminated soils	Asbestos removal scheduled for 1999 by DOD	X				X	X	X				\$100,000
42		FAA Tank Farm	Operated by Standard Oil under a lease from FAA	Remove/mediate fuel-contaminated soils; confirm whether spills have impacted Tamgas Harbor wildlife	Standard Oil (now Chevron) could be a participating party	X	X	X	X	X	X	X	X	X		\$5,000,000
32		SALSR	Built and used by FAA	Remove lead-based painted building	PCBs removed 1996		X									\$5,000
56B		PNA/WA Residential Building (lead and asbestos)	Apartment was built for airline employees and is currently used for MIC residences	Remove asbestos and lead-based paint		X										\$30,000

Coordinated Comprehensive Cleanup (C3) Plan
Annette Island, Alaska
Site Table (sorted by Schedule)

Site Number *		Site Name	Site History	Proposed Work	Other Issues	Planning Schedule									Estimated Cost at Completion
						FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	
MIC Master Plan site number. Alpha designators have been added to detail specific work at a site by Agency.															
81		Moss Point Garrison	Housing for base personnel; largely Quonset hut and local wood-frame construction	Sewer issues; investigate and remediate potential POL and solvents	SHPO issues; project eligibility unresolved		X								\$250,000
13		Abandoned Landfill		Batteries, paints, fuels, metal debris; closure			X	X							\$870,000
22		AACS Station	Used by FAA	Remove asbestos, lead, and collapsed building; foundation to remain	Tower also on site; to be removed		X	X							\$100,000
26		Approach Lighting System	Consists of 29 towers built and used by FAA	Remove towers or associated lead-based paint			X	X							\$500,000
47B		USCG Taxiways and Parking Circle—Ordnance Survey	WWII aircraft parking area used by USCG for aircraft refueling	Remove powder canisters; reportedly moved to this site when empty			X	X							\$15,000
71A		USCG Garage—Asbestos	Owned and operated by USCG; property leased from FAA/MIC	Remove asbestos			X	X							\$50,000
33C		Landing Field—Firing Ranges near Runway B	Landing field consisted of two gravel runways constructed by DOD; small arms firing range was established in one of the aircraft parking pavements	Investigate and remove lead, if necessary	Potentially used after military		X	X	X						\$100,000
47A		USCG Taxiways and Parking Circles	Owned and operated by USCG; property leased from FAA/MIC	Remove transformer, drums, and fuel-contaminated soil	Used as storage area for fuels removed from planes		X	X	X						\$25,000
58		DOD Utility Officer Buildings—Quarter Master and Utility Buildings	Shop area providing aircraft and other maintenance	Investigate and remediate potential POL, solvent, and paint contamination	Building demolition eligibility		X	X	X						\$15,000
64		Runway Taxiways and Parking Circles	Owned and operated by FAA for over 25 years	Remove drums and spills			X	X	X	X					\$150,000
89		Trash Dumps Island Wide	Government materials/trash sites	Remove environmental issues, government trash, electronic equipment	Some WWII plane parts may be historic		X	X	X	X					\$500,000
12		North Tamgas Harbor Tank Farm		Clean and refurbish tanks; spill containment for emergency response				X							\$200,000
16		Antenna Towers	Built by FAA; contains lead-based paint	Remove towers or associated lead-based paint				X							\$50,000
35		Small Tower	Used for airport operation	Remove lead-based painted tower				X							\$5,000
43B		USCG Housing—South Tamgas Harbor Dock Ordnance Dive	Ordnance may have been dumped in Tamgas Harbor at the end of the war	Investigate possible ordnance contaminants and dumped debris				X							\$50,000

Coordinated Comprehensive Cleanup (C3) Plan
Annette Island, Alaska
Site Table (sorted by Schedule)

Site Number		Site Name	Site History	Proposed Work	Other Issues	Planning Schedule								Estimated Cost at Completion																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
						FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06		FY07	FY08																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
MIC Master Plan site number. Alpha designators have been added to detail specific work at a site by Agency.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
45B		USCG Seaplane Base--Ramp Ordnance Dive	Ordnance may have been dumped in Tamgas Harbor at the end of WWII	Investigate possible ordnance contaminates and dumped debris				X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										</

Coordinated Comprehensive Cleanup (C3) Plan
Annette Island, Alaska
Site Table (sorted by Schedule)

Site Number *		Site Name	Site History	Proposed Work	Other Issues	Planning Schedule										Estimated Cost at Completion
						FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	
MIC Master Plan site number. Alpha designators have been added to detail specific work at a site by Agency.																
15A		White Alice Station (MPL)	Constructed in 1956 as a DEW line communication link	UST still connected to active system; investigate and remediate releases from UST; remove debris	Project eligibility unresolved				X	X	X					\$2,000,000
26		Cance Cove Garrison	Housing for base personnel; largely Quonset hut and local wood-frame construction	Remove fuel tanks	SHPO issues; building demolition eligibility				X	X	X					\$250,000
27		VORTAC Facility	Site currently leased and in use	Remove lead-based paint chips from soil	Lead from painted counterpoise				X	X	X					\$750,000
44		USCG Housing	Owned and operated by USCG; property leased from FAA/MIC	Remove fuel lines, fuel tanks, and associated contaminated soil	Building foundation and collapsed buildings				X	X	X					\$150,000
59		Air Warning Center Garrison	Site of the AWS filter center; included housing to support AWS personnel	Investigate and remove POL associated with power generators and fuel tanks	SHPO issues; building demolition eligibility				X	X	X					\$250,000
74		USCG ASTs	Owned and operated by USCG; property leased from FAA/MIC	Remove PCB- and fuel-contaminated soils and lead-based painted fuel tank	Leaded fuels appear to have been spilled in the area				X	X	X					\$50,000
62		Power House	Owned and operated by FAA for over 25 years	Remove contaminated soil from fuel storage site; foundation to remain	Possible lead-based paint on building				X	X	X	X				\$500,000
75		Hangar	Owned and operated by USCG; property leased from FAA/MIC	Remove lead-based paint, asbestos, UST tank, and PCB and fuel spills in and around hangar	Ownership of abandoned transformers in the hangar is unclear				X	X	X	X	X			\$4,000,000
9		Power Generation Plant	Originally a USA power generation plant	Transformers, drums, contaminated soils, ASTs						X						\$2,160,000
20		Weather Bureau Housing	Active housing for NWS consisting of seven wood frame buildings	Active AST with potentially POL-contaminated soil	NWS is working on this site					X						\$500,000
71B		USCG Garage--Other	Former USCG office currently in use for sawmill storage and repair shop	Remove asbestos, barrels, containment for AST						X						\$70,000
14		Chlorination Building	Built by FAA; contains lead-based paint	Remove building or lead-based paint	Asbestos on water pipeline not addressed in this work					X	X					\$15,000
23		ACS Transmitter	ACS run in cooperation with FAA	Potential fuel and PCB spills; remove collapsed building; foundation to remain	Additional soil testing needed					X	X					\$80,000
61		71st Garrison	Owned by the FAA for over 25 years	Remove drums and other hazardous materials	Could save one Quonset hut which is in great shape					X	X					\$250,000
3		6-inch Guns and Garrison	Two 6-inch guns were installed for coastal defense; included housing for gun crews	Investigate and remove potential POL associated with heating oil tanks, debris	SHPO issues; building demolition eligibility						X					\$15,000
7		BIA Road Maintenance Center		Lead-based paint, PCBs, drums, contaminated soils, ASTs							X					\$550,000

Coordinated Comprehensive Cleanup (C3) Plan
Annette Island, Alaska
Site Table (sorted by Schedule)

Site Number		Site Name	Site History	Proposed Work	Other Issues	Planning Schedule										Estimated Cost at Completion
						FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	
MIC Master Plan site number. Alpha designators have been added to detail specific work at a site by Agency.																
31		Underground Fuse Magazines	Storage magazines for torpedo fuses	Remove fall hazards	SHPO issues						X					\$50,000
38		DOD Sawmill	Provided lumber for local construction in support of base operations	Remove debris; investigate potential contamination relating to sawmill operations							X					\$50,000
77		PNA/WA Terminal	Single story building with garage	Remove asbestos and lead-based paint, debris; remediate contaminated soils; replace structure	Building was burned to the ground						X					\$430,000
96		Satellite Tracking Station	Constructed in 1961 for the early radar tracking of satellites	Investigate concrete structures; potential for lead-based paint and lead-contaminated soil	SHPO issues						X					\$25,000
70		Beacon Tower	Owned and operated by FAA for over 25 years	Remove lead-based paint from beacon tower or demolish tower							X	X				\$15,000
33A		Landing Field	Owned and operated by FAA	Remove drums from revetments and investigate soils potentially contaminated with herbicides							X	X	X			\$500,000
54		Public School	Originally a state school	Debris; lead-contaminated soils; POL contamination	School was burned to the ground							X				\$320,000
79		Log Storage Yard		Barrels, debris, contaminated soils								X				\$390,000
87		Point Davison Garrison	Housing for personnel operating the 155mm gun positions	Sewer issues; investigate and remediate potential POL and solvents	Critical SHPO issues; project eligibility unresolved							X				\$500,000
60		Receiver Station	Owned by FAA for over 25 years	Remove lead-based painted metal and collapsed building								X	X			\$15,000
67		Weather Bureau Station--Hangar	Subleased from FAA for 25 years	Remove buried drums near site								X	X			\$10,000
45A		USCG Seaplane Base	Owned and operated by USCG; property leased from FAA/MIC	Remove lead-based paint materials, debris, and hazards								X	X	X		\$25,000
2		Engineer Garrison (Yellow Hill)	Housing for base engineers	Sewer issues; investigate and remediate potential POL and solvents	SHPO issues; project eligibility unresolved								X			\$50,000
34		Runway to Camp Road (Plank Road)	Built and abandoned in place	Remove roadway and drums									X	X	X	\$5,000,000
65		Runway Fortifications	Training area adjacent to Runway A	Remove barbed wire; fill trenches	SHPO issues; safety; project eligibility unresolved									X		\$150,000
66		High Intensity Light	Owned and operated by FAA for over 25 years	Remove light fixtures (asbestos wiring, ballasts, bulbs)										X		\$15,000

Coordinated Comprehensive Cleanup (C3) Plan
Annette Island, Alaska
Site Table (sorted by Schedule)

Site Number *		Site Name	Site History	Proposed Work	Other Issues	Planning Schedule										Estimated Cost at Completion	
						FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08		
MIC Master Plan site number Alpha designators have been added to detail specific work at a site by Agency.																	
		Lead-Based Paint Abatement Sites (10% of Total)	Island-wide former federally-owned buildings	Remove lead-based paint	Eligibility unresolved for DOD programs										X	X	\$1,000,000
28		Water Tanks	Built and abandoned in place on current lease site (VORTAC)	Remove platforms, wire rings, and other debris from site												X	\$15,000
29		Directional Finder Antenna	Site currently leased and in use	Antenna may be painted with lead-based paint	May require stripping and repainting											X	\$5,000
		TOTAL															\$61,565,000

Coordinated Comprehensive Cleanup (C3) Plan

Annette Island, Alaska

Selected References

MOU Work Group Contacts

Acronyms

Selected References

1. Corps of Engineers Alaska District, 28 Aug 96, Memorandum for Record: Subject: Annette Island Alaska—Investigation of Ordnance Explosive (OE) Storage Facilities.
2. Eberhardt, W., 28 Mar 88, FAA Hazardous Waste Program Manager (AAL-463H), Memorandum regarding on-site visit to Annette Island to David Epstein, Supervisor (AAL-463).
3. Ecology and Environment, Inc., Mar 90, *Hazardous and Toxic Waste Report Phase II Field Investigation, Annette Island Landing Field, Annette Island, Alaska*, prepared for Federal Aviation Administration, Anchorage, Alaska.
4. Ecology and Environment, Inc., Jun 90, *Pre-Design Report, Phase II Field Investigation Annette Island Landing Field, Annette Island, Alaska*, prepared for U.S. Army Corps of Engineers, Anchorage, Alaska.
5. Ecology and Environment, Inc., 1991, *Real Estate File Search, Annette Island FAA Facility, Anchorage, Alaska*, prepared for Federal Aviation Administration, Anchorage, Alaska.
6. Ecology and Environment, Inc., May 92, *Environmental Compliance Investigation Report for the Annette Island FAA Facility*, prepared for Federal Aviation Administration, Anchorage, Alaska.
7. Ecology and Environment, Inc., 1993, *Trip Report, Federal Aviation Administration Hazardous Waste Removal/Disposal Project, Annette Island FAA Station*, prepared for Federal Aviation Administration, Anchorage, Alaska.
8. Ecology and Environment, Inc., 1994, *Expanded Site Investigation/Interim Cleanup Plan, Federal Aviation Administration, Annette Island FAA Station, Annette Island, Alaska*, prepared for Federal Aviation Administration, Anchorage, Alaska.
9. Ecology and Environment, Inc., May 95, *Site Cleanup and Investigation Report, Volume 1, Expanded Site Investigation/Interim Cleanup Project*, prepared for Federal Aviation Administration, Anchorage, Alaska.
10. Ecology and Environment, Inc., 1995, *Trip Report Federal Aviation Administration Nonhazardous and Hazardous Materials Removal/Disposal Project Annette Island FAA Station Annette Island, Alaska*, prepared for Federal Aviation Administration, Anchorage, Alaska.
11. Ecology and Environment, Inc., Nov 95, *Remedial Action Plan, Hangar Facility, Annette Island FAA Station, Annette Island, Alaska*, prepared for Federal Aviation Administration, Anchorage, Alaska.
12. Federal Aviation Administration, Aug 97, *Annette Island Environmental Restoration Issues Annette Island, Alaska*, Anchorage, Alaska.
13. Federal Aviation Administration, Aug 97, *Coordinated Comprehensive Cleanup Program Cost Estimate Annette Island, Anchorage, Alaska*.
14. Harding Lawson Associates, Oct 90, *FAA UST Management Report for Annette Island, Alaska*, prepared for Federal Aviation Administration, Anchorage, Alaska.
15. Metlakatla Indian Community and Environmental Concerns, Inc., 1972, *Metlakatla Indian Community Comprehensive Development Plan, Annette Island Reserve*.
16. OHM Remediation Services Corp., July 1998, *Annette Island PCB Removal report prepared for U.S. Army Corps of Engineers and FAA, Anchorage, Alaska*.
17. Ridolfi Engineers and Associates, Inc., 1996, *Preliminary Assessment Metlakatla Peninsula*.
18. Ridolfi Engineers and Associates, Inc., 1998, *Master Plan for Environmental Mitigation of the Metlakatla Peninsula*.
19. Ridolfi Engineers and Associates, Inc., 1998, *Metlakatla Peninsula Asbestos Inventory and Abatement Plan*.
20. Ridolfi Engineers and Associates, Inc., 1998, *Metlakatla Peninsula Lead-Based Paint Investigation*.
21. Ridolfi Engineers and Associates, Inc., 1998, *Metlakatla Peninsula Limited Remedial Investigation*.
22. Sverdrup & Parcel and Associates, Inc., Jan 86, *Inventory Report for Annette Island Landing Field, Alaska*, prepared for U.S. Army Corps of Engineers, Anchorage, Alaska.
23. Sverdrup Corporation, 1988, *Trip Report for Preliminary Assessment of Hazardous and Toxic Wastes, POL, and Debris at former Department of Defense (DOD) sites on Annette Island, Alaska*, prepared for U.S. Army Corps of Engineers, Anchorage, Alaska.

MOU Work Group Contacts

Participant	Telephone	Facsimile	Street Address	Mailing Address	E-mail Address
Beauchamp, Suzanne	907-753-5559	907-753-5546	U.S. Army Engineer District-Alaska Building 21-700, Room 219 Elmendorf AFB, Alaska	U.S. Army Engineer District-Alaska CEPOA-EN-EE-II (Beauchamp) PO Box 898 Anchorage AK 99506-0898	suzanne.m.beauchamp@poa02.usace.army.mil
Benson, Jeff	907-886-4200	907-886-4202	Metlakatla Indian Community Milton Street Metlakatla, Alaska	Metlakatla Indian Community PO Box 3 Metlakatla AK 99926	micenvir@eagle.ptialaska.net
Beyette, Garth	907-271-3355	907-271-4470	Federal Aviation Administration, AAL-471 Airway Facilities Division 222 West 7th Avenue, #14 Anchorage, Alaska	Federal Aviation Administration, AAL-471 Airway Facilities Division 222 West 7th Avenue, #14 Anchorage AK 99513-7587	garth.beyette@faa.gov
Boynton, June	503-231-6749	503-231-6701	Bureau of Indian Affairs 911 NE 11 th Avenue Portland, Oregon	Bureau of Indian Affairs 911 NE 11 th Avenue Portland OR 97232-4169	jboynton@port.bia.gov

Acronyms

AACS	Army Airway Communication System	NDB	non-directional beacon
ACS	Alaska Communications System	NEPA	National Environmental Policy Act
ANICS	Alaska National/Air Space Interfacility Communication System	NWS	National Weather Service
AST	aboveground storage tank	O&M	operations and maintenance
AWS	Air Warning System	OE	ordnance and explosives
BDDR	building demolition and debris removal	PAA	Pan American Airlines
BIA	Bureau of Indian Affairs	PCB	polychlorinated biphenyls
C3 Plan	Coordinated Comprehensive Cleanup Plan	PNA/WA	Pacific Northern Airlines/Western Airlines
DEW	Distant Early Warning	POL	petroleum oil lubricant
DOC	Department of Commerce	RCAG	remote communications air-ground
DOD	Department of Defense	RD	remedial design
DOT	Department of Transportation	SALSR	Short Approach Lighting System Rail
EPA	Environmental Protection Agency	SHPO	State Historical Preservation Office
FAA	Federal Aviation Administration	USAED	U.S. Army Engineer District-Alaska
FS	feasibility study	USA	U.S. Army
FUDS	Formerly Used Defense Sites	USAF	U.S. Air Force
GTE	General Telephone & Electric	USCG	U.S. Coast Guard
MIC	Metlakatla Indian Community	USN	U.S. Navy
MoGas	motor gasoline	UST	underground storage tank
MOU	memorandum of understanding	VORTAC	very high frequency omnidirectional range TACAN
MPL	Metlakatla Power and Light	WWII	World War II